

# FPM-5191G

# FPM-5171G

# FPM-5151G

## 15" XGA/17" SXGA/19" SXGA Industrial Monitors with Resistive Touchscreens, Direct-VGA, and DVI Ports



### Features

- 15" XGA or 17" / 19" SXGA TFT LED LCD with 50,000 backlight life time
- Direct VGA & DVI-D input interface
- Lockable OSD keys with 2 user-defined contrast/brightness settings
- Flat-sealed and IP65 certified front panel
- Robust design with anti-rust chassis and aluminum die-cast front panel
- Front accessible USB connector
- Combo RS-232 & USB interface for touchscreen function (optional)
- Supports industrial 10-30 V<sub>DC</sub> power input with Phoenix jack
- Supports panel, wall, desktop, rack or VESA arm mounting

### Introduction

The FPM-5000G series provides 15", 17" and 19" color TFT LCD with LED backlight flat panel monitors specifically designed for industrial applications. With a viewing size from 15" to 19", they present ample display areas as well as vivid and sharp images. It features Direct-VGA & DVI-D signal transmission, which allows VGA control cards to be used in your system. The onscreen display allows users to adjust the images on the screen with two user-defined settings. The front access USB connector provides easy access to the controller, and the industrial 10-30 V<sub>DC</sub> wide range power support makes this product an excellent option for Factory and Machine Automation display solutions.

### Specifications

#### General

- **Button Controls** OSD control pad on rear side with lockable function
- **Certification** BSMI, CCC, CE, FCC Class A, UL
- **Dimensions (W x H x D)**
  - 5151G: 449.92 x 315.63 x 50.5 mm (17.71" x 12.43" x 1.99")
  - 5171G: 481.9 x 355.9 x 55 mm (18.97" x 14.01" x 2.17")
  - 5191G: 481.93 x 384.6 x 59 mm (18.97" x 15.14" x 2.32")
- **Enclosure** Front panel: Aluminum and flat-sealed  
Rear cover: Anti-rust coating
- **Mounting** Panel, wall, desktop, VESA arm, or 19" rackmount
- **Power Input** Phoenix Jack - 10 ~ 30 V<sub>DC</sub> input  
Optional external 57 W power adapter, with AC 100 V ~ 240 V input and DC +12 V @ 4.7A output
- **Power Consumption** 18 W + 20%/31 W + 20%/32 W + 20%
- **USB** Front USB access for extension
- **Video Port** VGA & DVI-D
- **Weight (Net)** 6 kg (13.22 lbs)/8 kg (17.63 lbs)/10 kg (22.04 lbs)

#### LCD Display

- **Display Type** XGA/SXGA/SXGA TFT LCDs
- **Display Size** 15"/17"/19"
- **Max. Resolution** 1024 x 768/1280 x 1024/1280 x 1024
- **Max. Color** 16.2M / 16.7M / 16.7M
- **Viewing Angle (H/V°)** 160/140, 170/160, 170/160
- **Luminance (cd/m<sup>2</sup>)** 400/350/350
- **Backlight Life (hrs)** 50,000
- **Contrast Ratio** 700:1 / 1000:1 / 1000:1

#### Touchscreen

- **Sensor** AMT
- **Driver** Penmount 6000
- **Type** 5-wire Resistive
- **Interface** RS-232 & USB
- **Lifespan** 10/10/36 million with a silicone rubber of R8 finger, writing rate is by 250g at 2 times/s
- **Light Transmission** > 80%
- **OS Support** Windows XP/Vista, 7, 8, XPe, CE and Linux
- **Power Consumption** +5 V @ 100 mA
- **Touch Resolution** Linearity

#### Environment

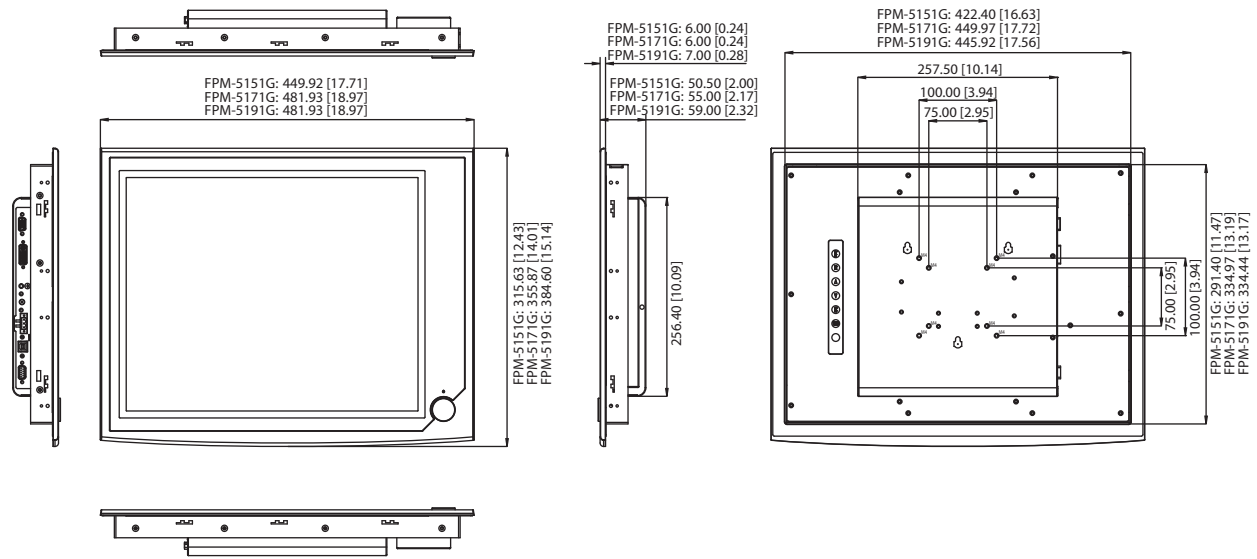
- **Operation Temperature** 0 ~ 50°C (32 ~ 122°F)
- **Storage Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Humidity (Storage)** 10 ~ 90% non-condensing
- **Waterproof** Front panel is IP65 compliant
- **Vibration** 5 ~ 500 Hz, 1 Grms (Operating, Random)

### Ordering Information

- **FPM-5191G-R3BE** 19" SXGA Ind. Monitor w/Resistive TS(RS-232,USB)
- **FPM-5171G-R3BE** 17" SXGA Ind. Monitor w/Resistive TS(RS-232,USB)
- **FPM-5151G-R3BE** 15" XGA Ind. Monitor w/Resistive TS(RS-232,USB)

## Dimensions

Unit: mm [inch]



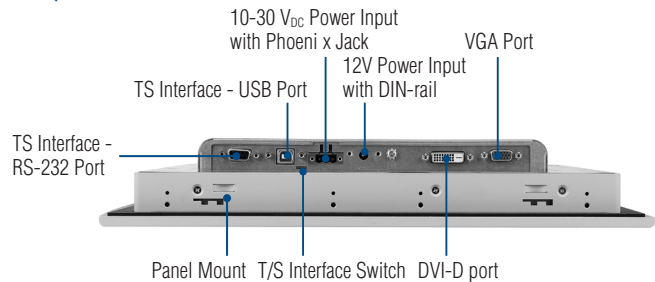
**Panel Cut-out Dimensions:** FPM-5151G: 424 x 293 mm (16.69" x 11.54")  
 FPM-5171G: 454 x 338 mm (17.87" x 13.31")  
 FPM-5191G: 454 x 338 mm (17.87" x 13.31")

## Accessories

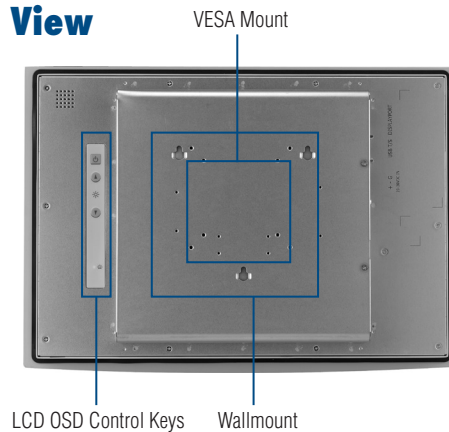
- **FPM-1000T-SMKE** Desktop/Wall Mounting kit for FPM series
- **IPPC-6152A-RMKE** IPPC-6152A/FPM-5151G Rack Mount Kit
- **IPPC-6172A-RMKE** IPPC-6172A/FPM-5171G Rack Mount Kit
- **IPPC-6192A-RMKE** IPPC-6192A/FPM-5191G Rack Mount Kit
- **1702002600** Power Cable US Plug 1.8 M
- **1702002605** Power Cable EU Plug 1.8 M
- **1702031801** Power Cable UK Plug 1.8 M
- **1700000596** Power Cable China/Australia Plug 1.8 M
- **96PSA-A60W12V1-1** ADP A/D 100-240V 60W 12V C14 DC PLUG 180°

Note: VESA mounting screw length: M4 x 6 mm

## I/O View



## Back View



## Front Accessible USB Port

